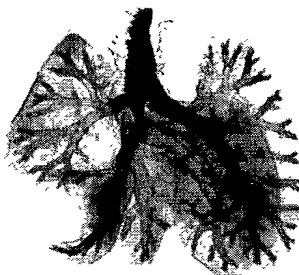


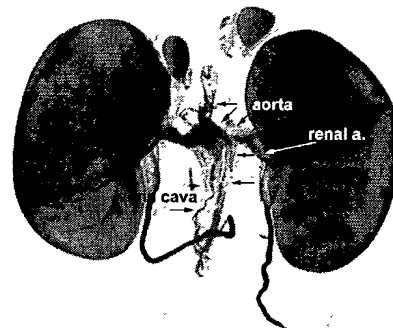
#40



Heart



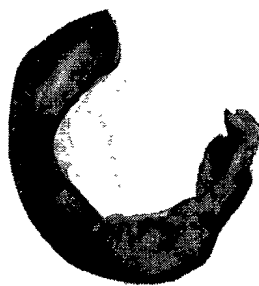
Lung



Kidney



Stomach



**Small
Intestine**



Bladder

FIG. 1

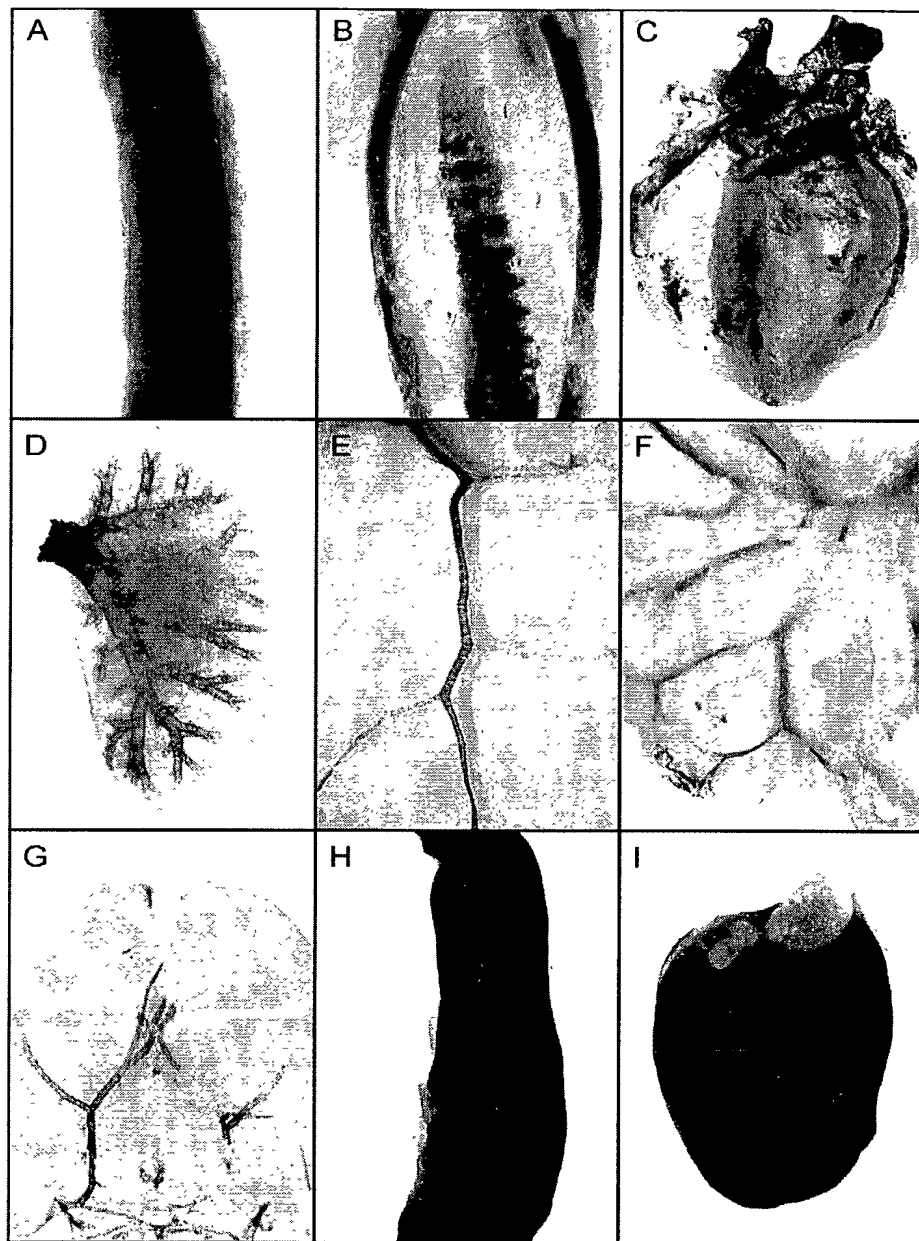


FIG. 2

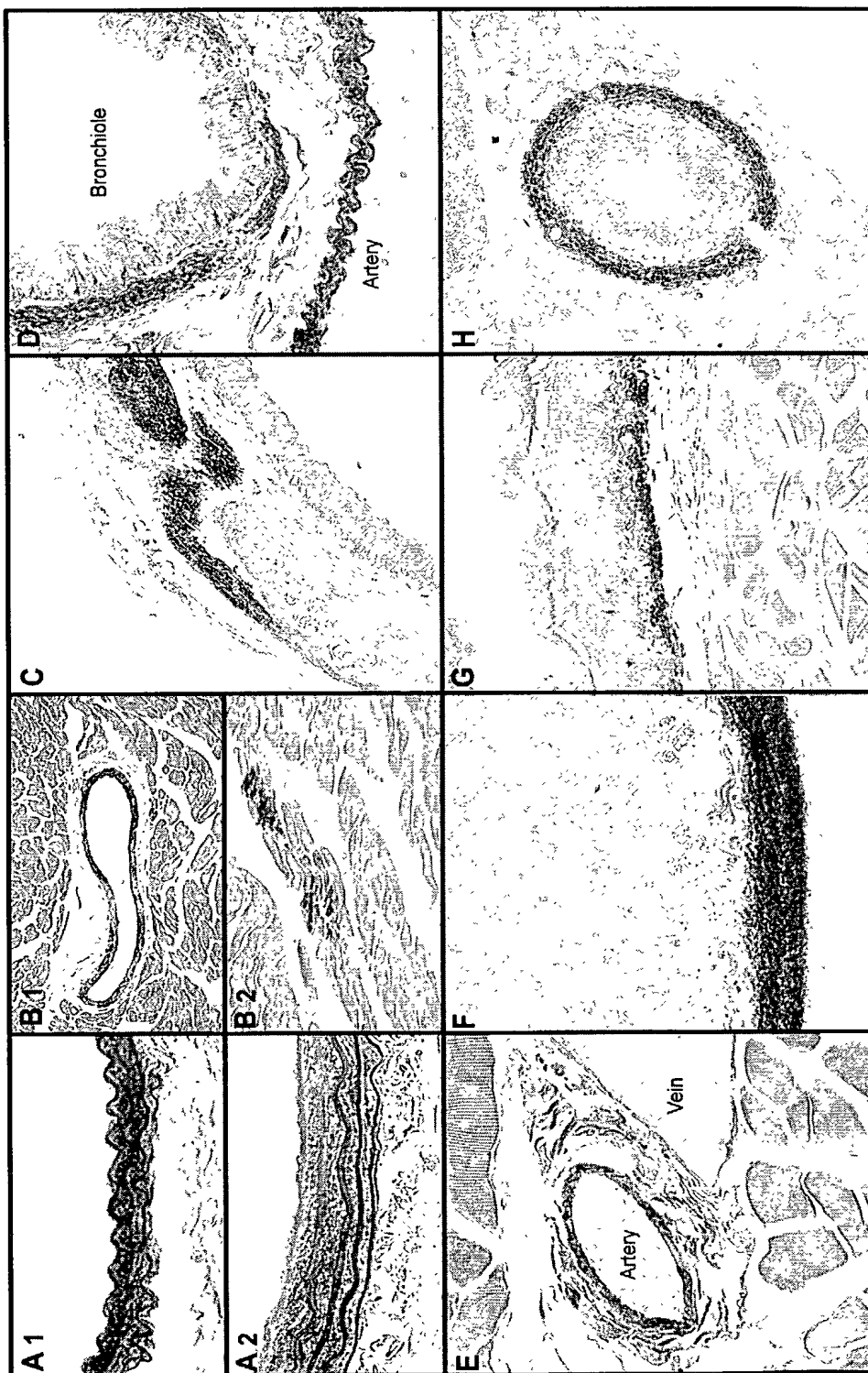


FIG. 3

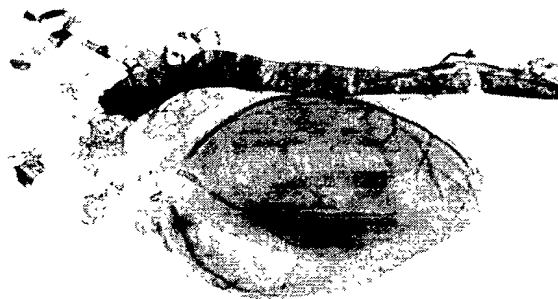


FIG. 4

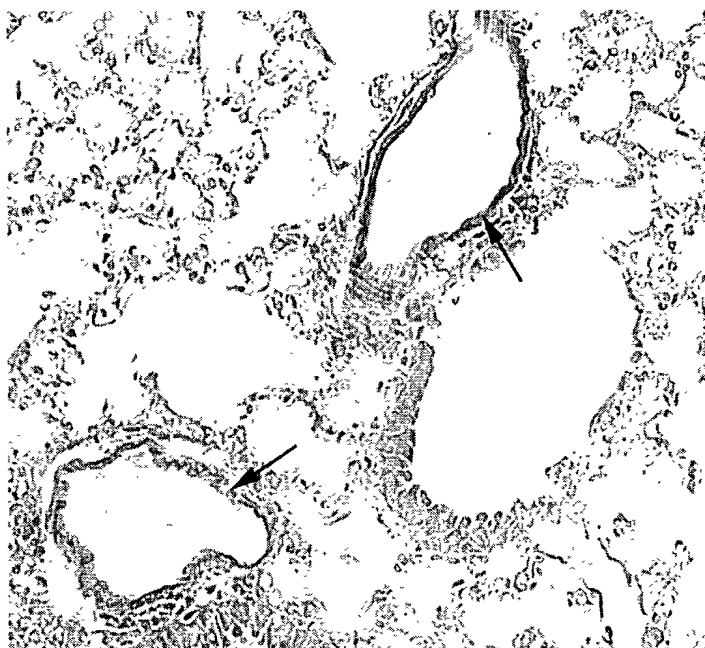


FIG. 5



Heart



Lung

FIG. 6

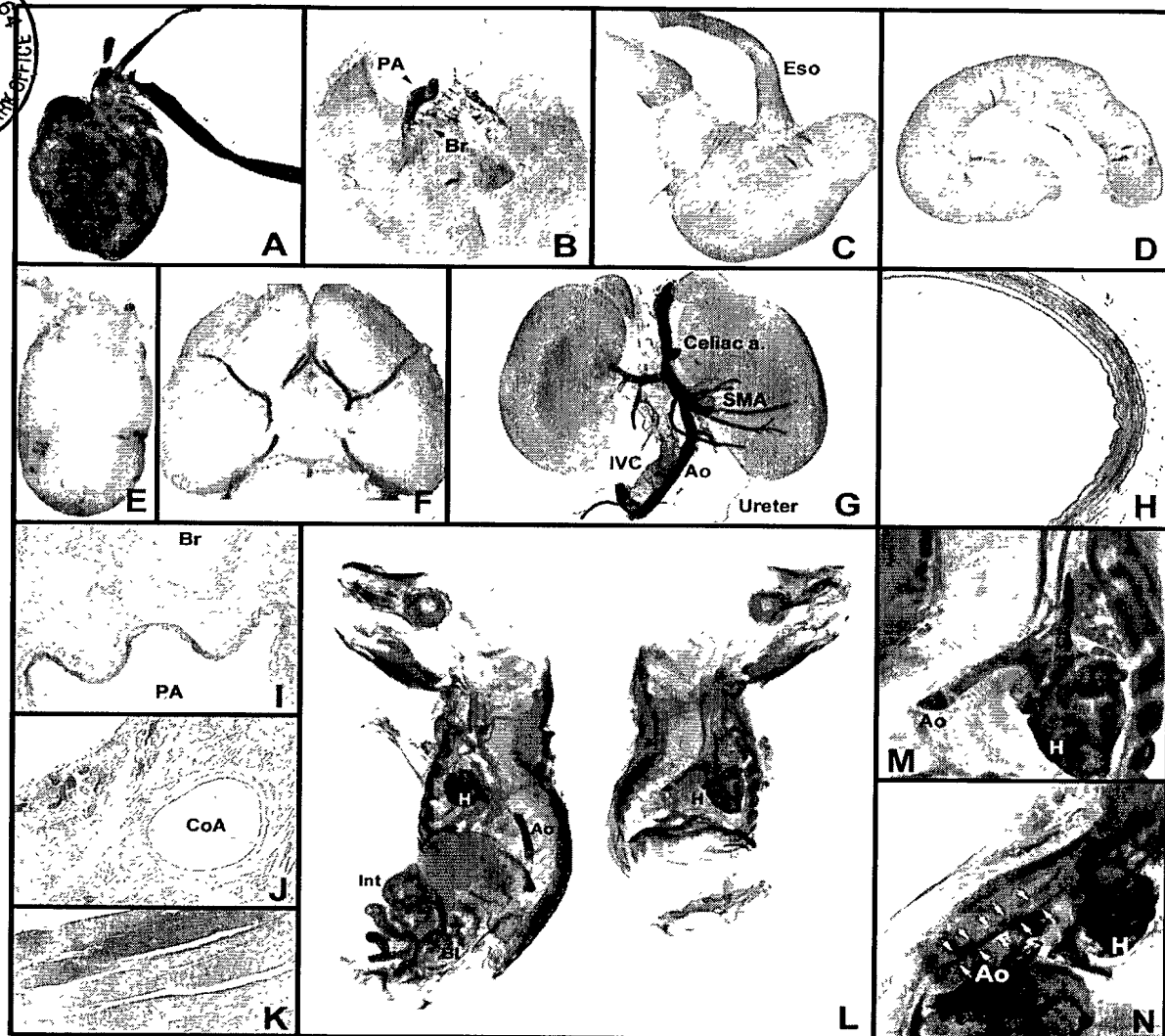


FIG. 7

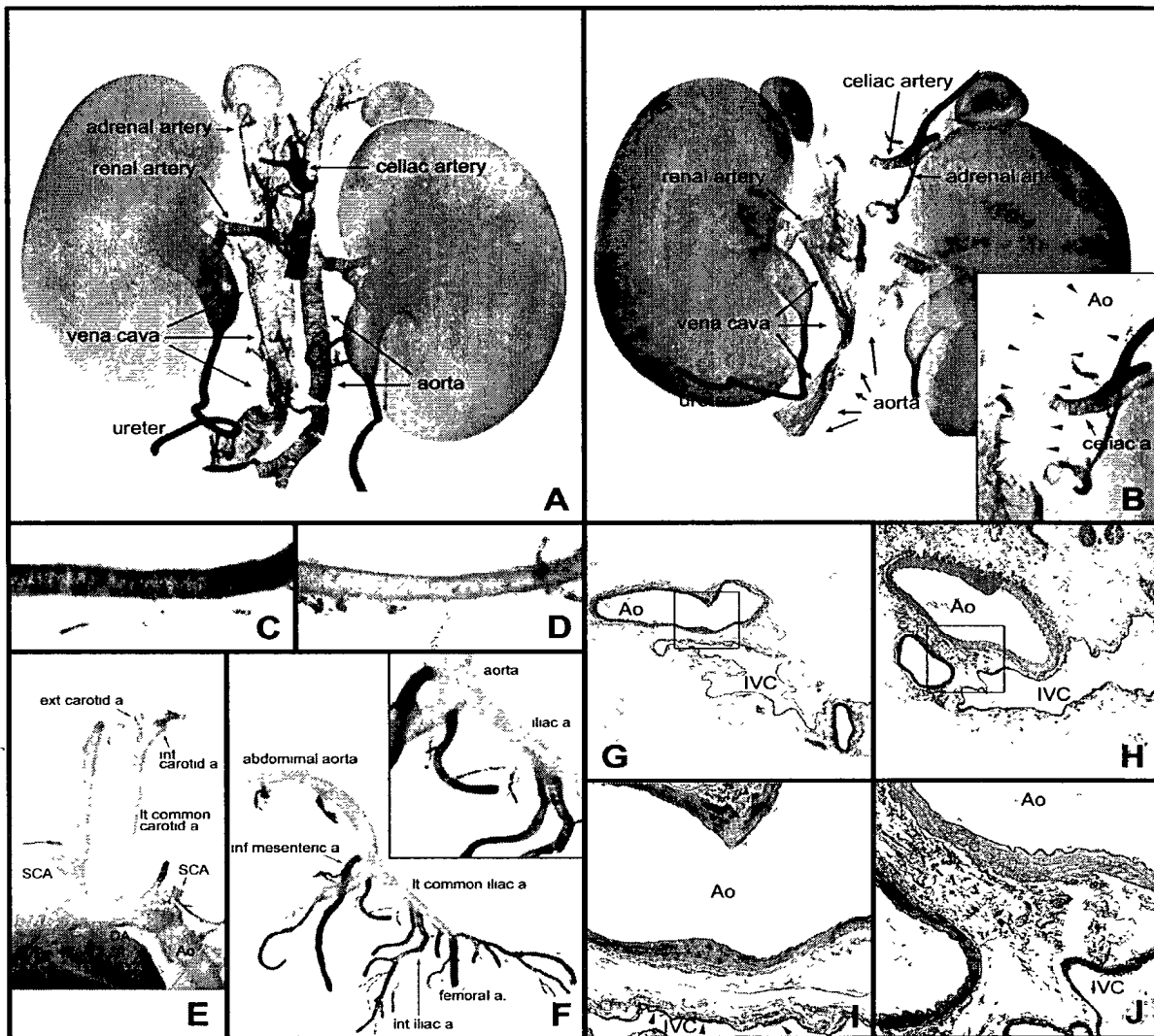
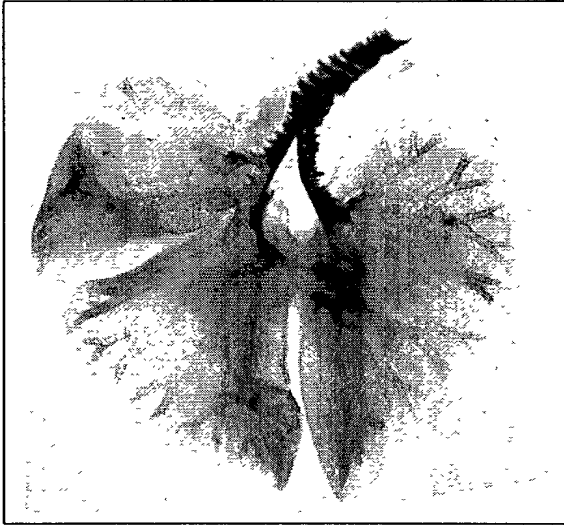
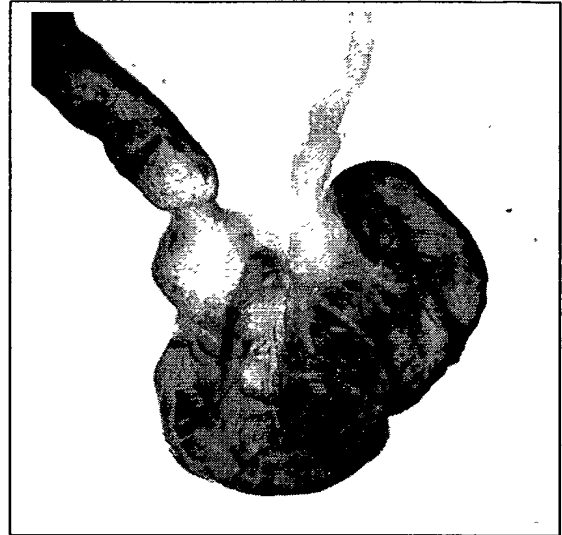


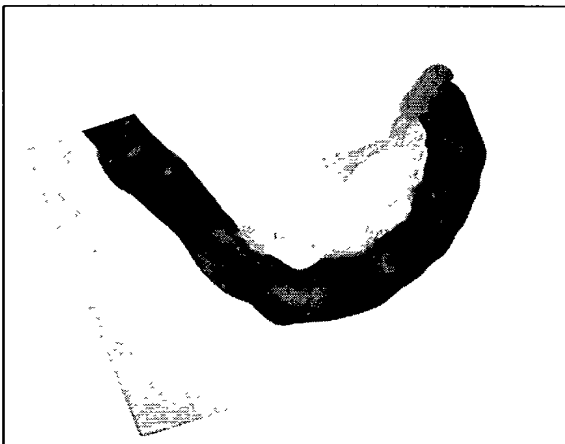
FIG. 8



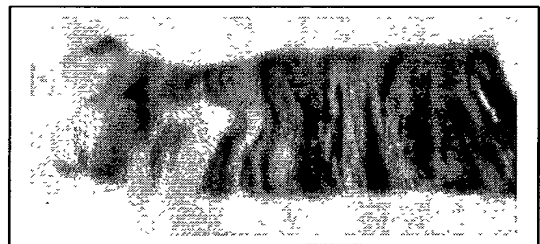
Conducting airways and lungs.



Stomach, small intestine, and esophagus.

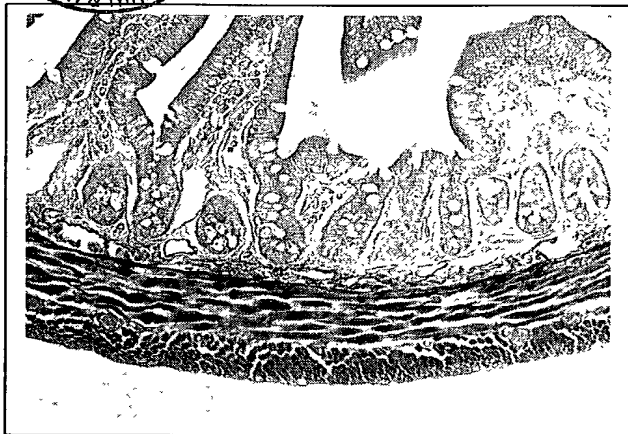


Colon.

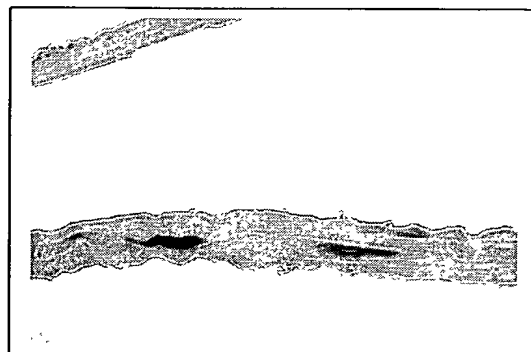


Iliac Artery.

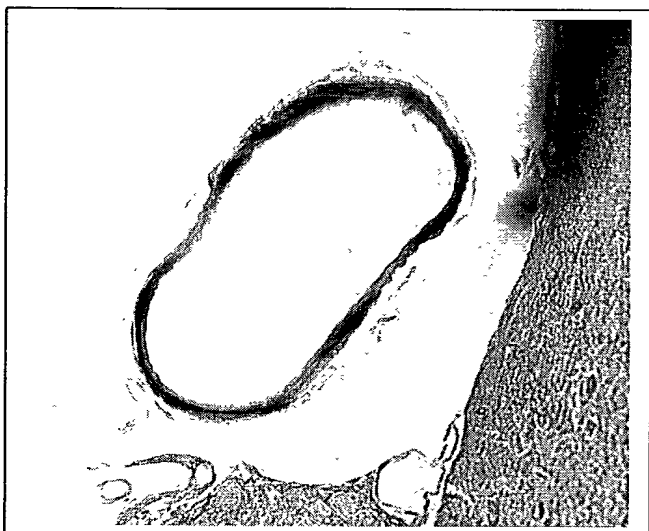
Fig. 9



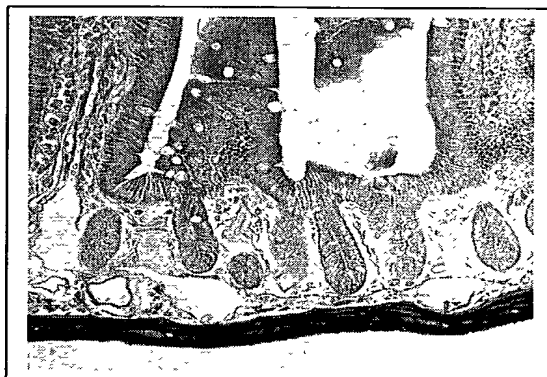
Ileum



Abdominal aorta



Small artery (circle of Willis)



Colon

FIG. 10



SM MHC 5'-Flanking sequence

CArG3

Rat : GGGAGG---CTGCAGGGACCATATTTAGTCAGGGGGAGCCAG-AGCCC--CGCTGGTATG
Human : GGAAGGCCACT-C-GGCAACCATATTTAGTCAGGGGGAGCCGGCAGCCCAGAGCTGGTATG

CArG2

Rat : C--CAAGCTGGGAATTCTTGTTC--G-A-GAAT-TGCGCCTGGCCTTTTGGCTTGTTC
Human : CGGC--GCTGGGAATTCCTG--CAGGAAGGAGTCCGCGCCTGCCCTTTTGGCTTGTCT

GC repressor

Rat : CCGCCAGGCC-----AGGAGGGGGACCAGCTCAGG-ACCTC-GAGG-G-
Human : CCGCCGCGCTCCCGCCGCTCCCGGGAGGGGGACCGGCCCGGCCCGGCCCGG

Rat : TCCGTG--CGCGGGGAGCGA-----GGCTCC[C
Human : GAACCTCGGAGGAGCTGGTGCCCGCGGGAGCGGAGCGCCCGGGCTGCCCGCGGGTCC[C

CArG1

Rat : GGCCTGGCATGAGGCCA---CTCTGCCTCGACTTCCTTTTATGGCCTGAGTGTGAGTGCA
Human : GGCCTGGC[CGGGGCCAGCCACCGCTCGACTTCCTTTTATGGCCTGTGTGTGCGTGCG

Rat : TGGAGAGTG-G-GAGGGAGGGAGGGA
Human : TGGACAG-GAGCG-GGGAGGGAGGGA

FIG. 11

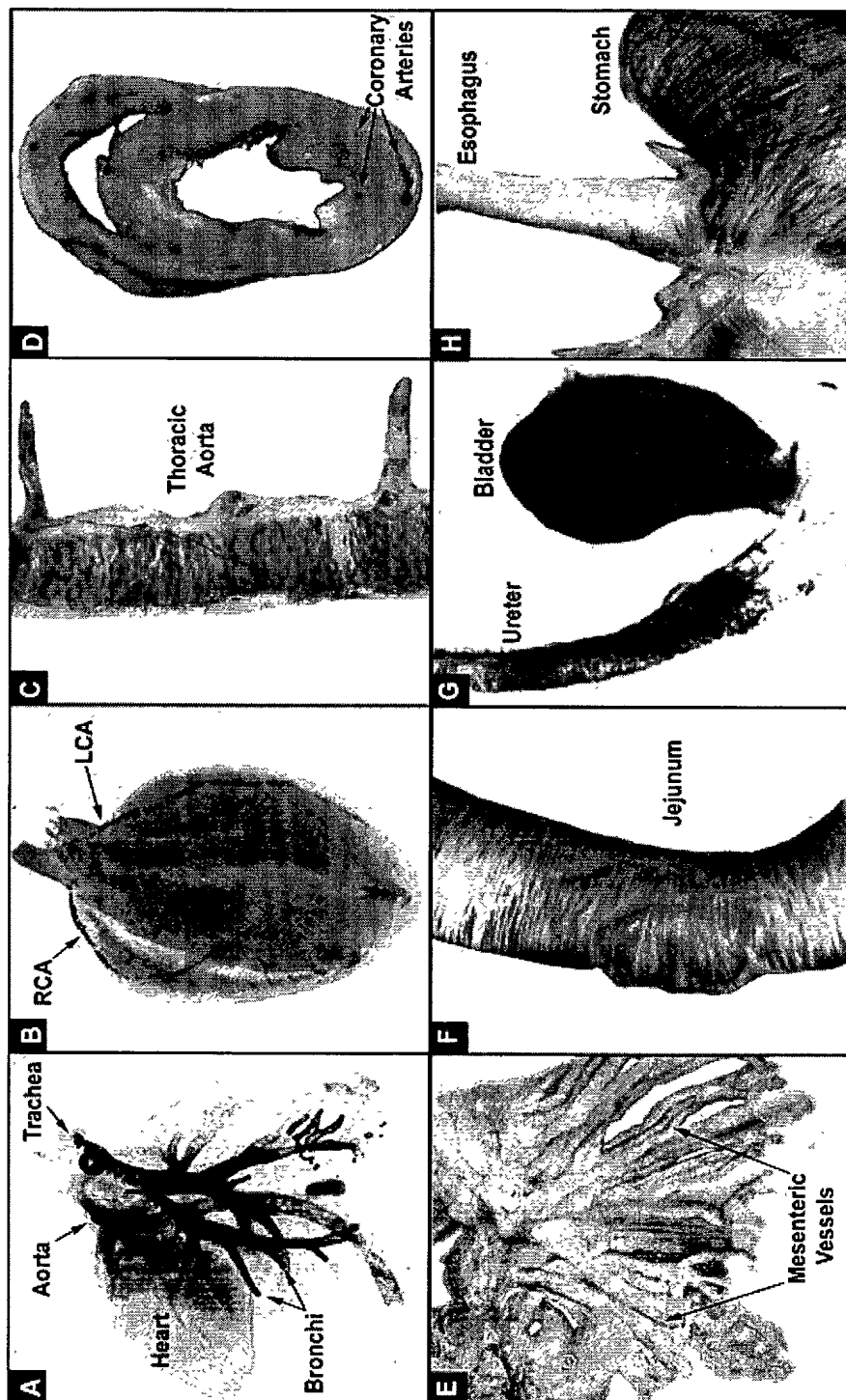


FIG. 12

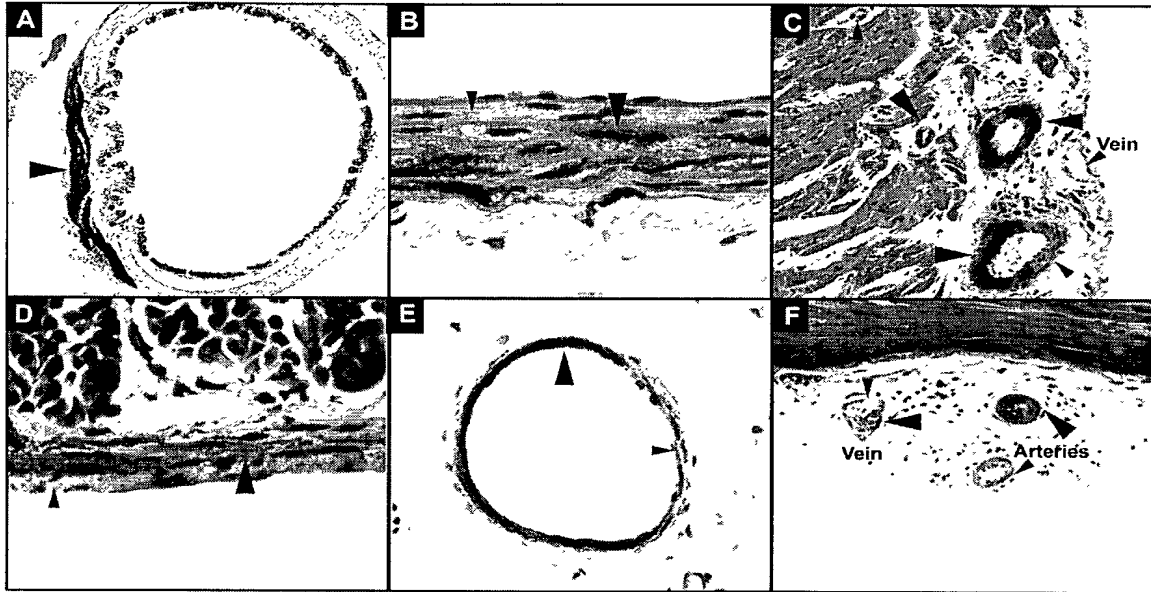


FIG. 13

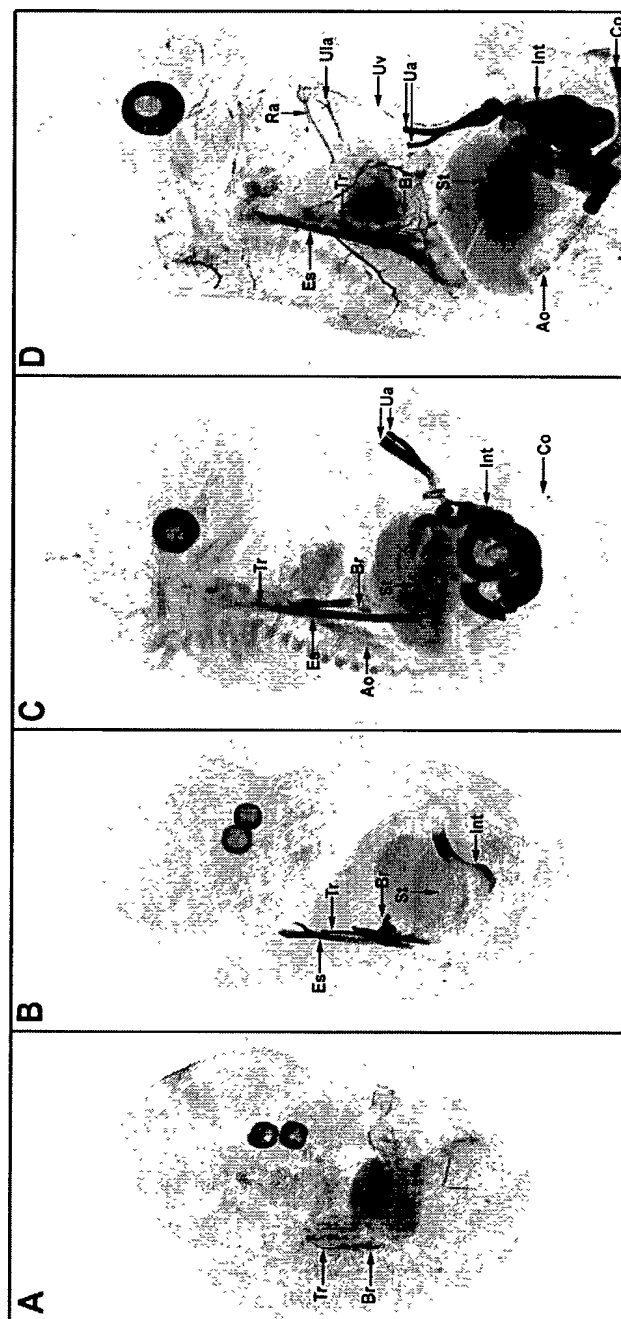


FIG. 14

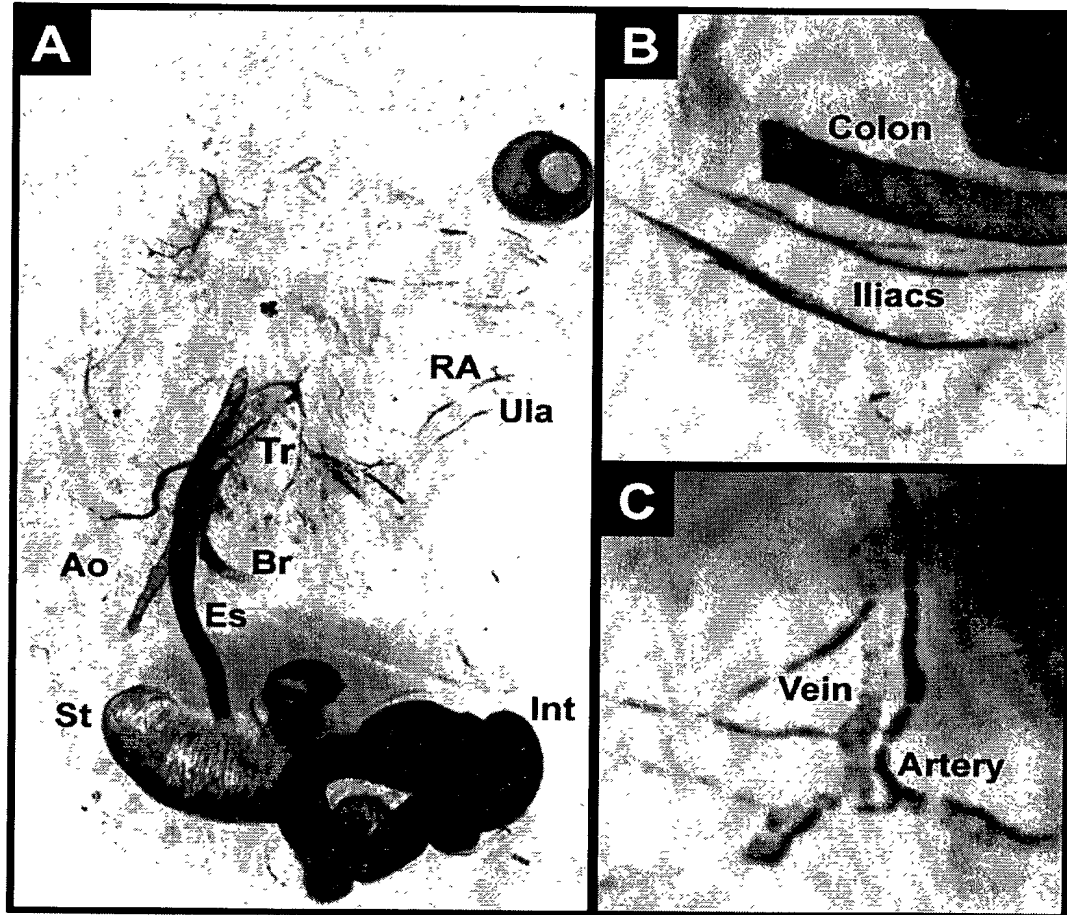
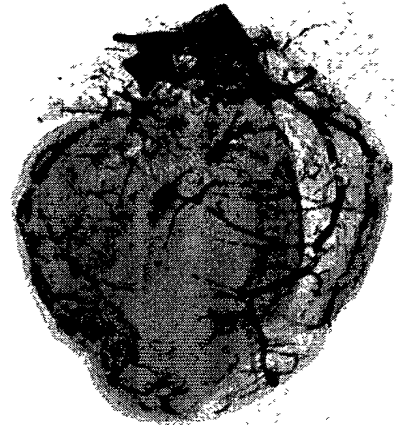


FIG. 15



Anterior



Posterior

FIG. 16

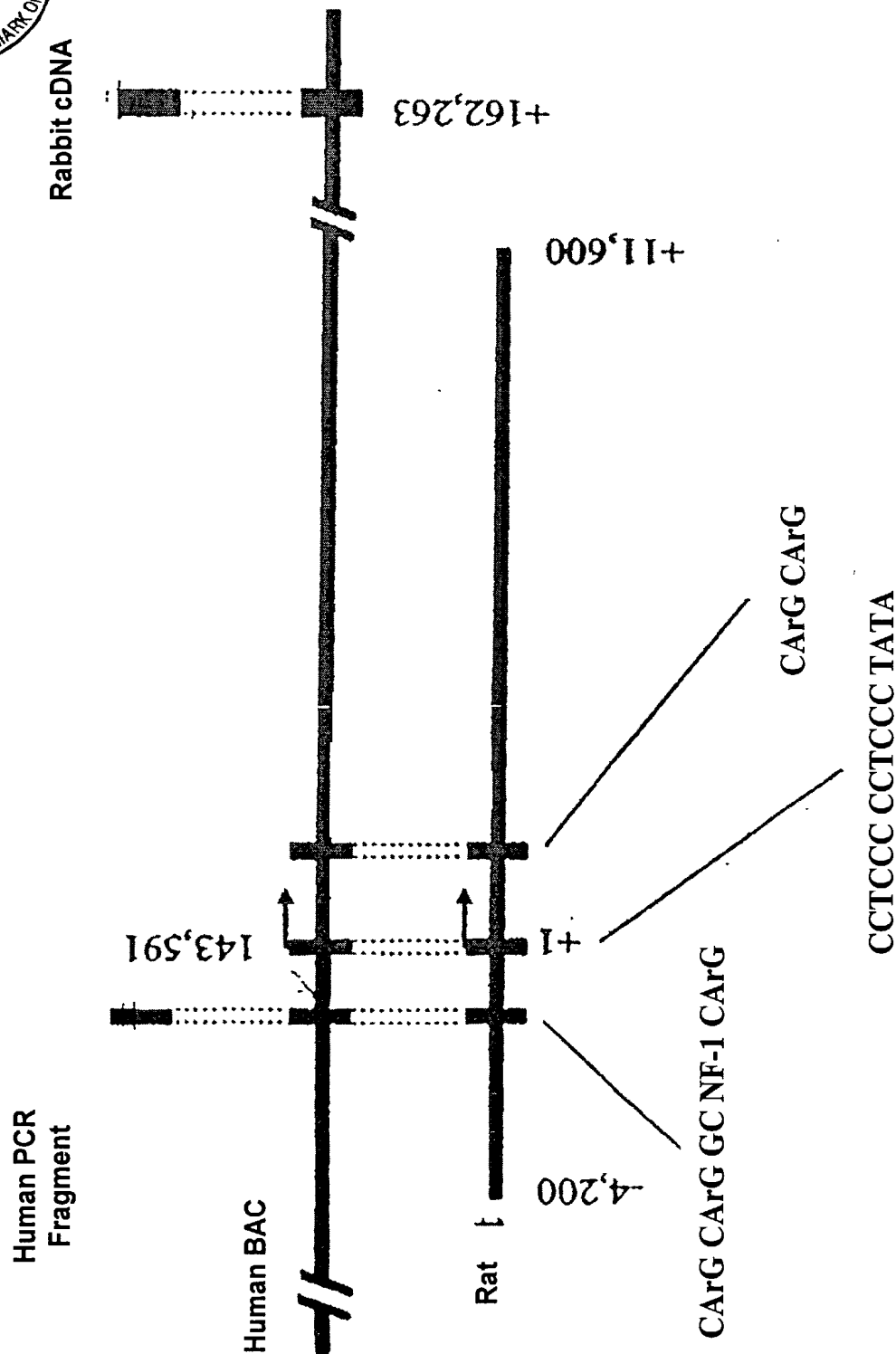


FIG. 17

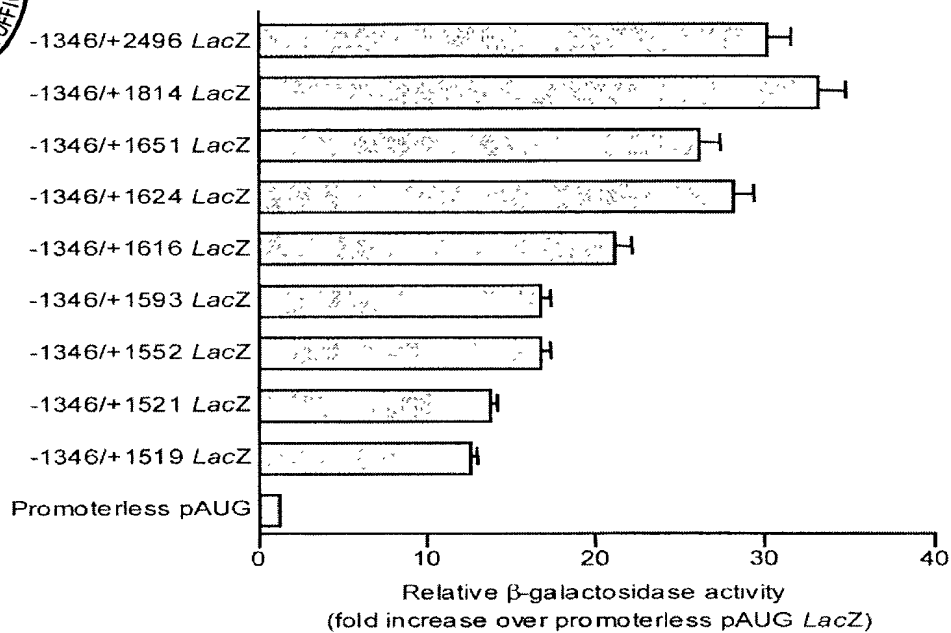


FIG. 18A

Rat +1422	GT GGATG TGGTAGGGTTCCAG GAG GCTGGCGTGATCTCAAACATGCCTGG
Human +1776	AG--G--C--CCA--CCGA-AG-----AAC-T-AA--A--TG-G---TTTC-GA-AAGCC
Rat +1472	GCCAAGC CACCCTGGAGAAACC TGGACTTTTATTATCAGATCTGAAATAGA GCCTC
Human +1836	----G--TTG--T--T-A-A--A--TTT-----TG--C-----TGTGT-A
Rat +1528	TTCCGTACAAGGTAGTCACTATGGAT TTATCATTACTTTTCTGTGGGA-GGCTGGGC
Human +1896	-----TCTGT-----TTG-----C-----G---A-A-A
Rat +1584	TGGAGGCAGACATGOCCTTGTATGGTAGTGTCTTCTATGAGGCCATTCCCAGTCCCCCTT
Human +1956	-T-----A-----A-T-----A-C-----C-----G-C-----
Rat +1644	GGCCAATCAGCCAGCCTTTTCGA TGCAG CC T G ACTGGCTTGAGTTCTGGGTACT
Human +2014	C-T--G-T-----G--CC----C--GGT-G-TC-----CCT-GGGATTT--CTA

FIG. 18B

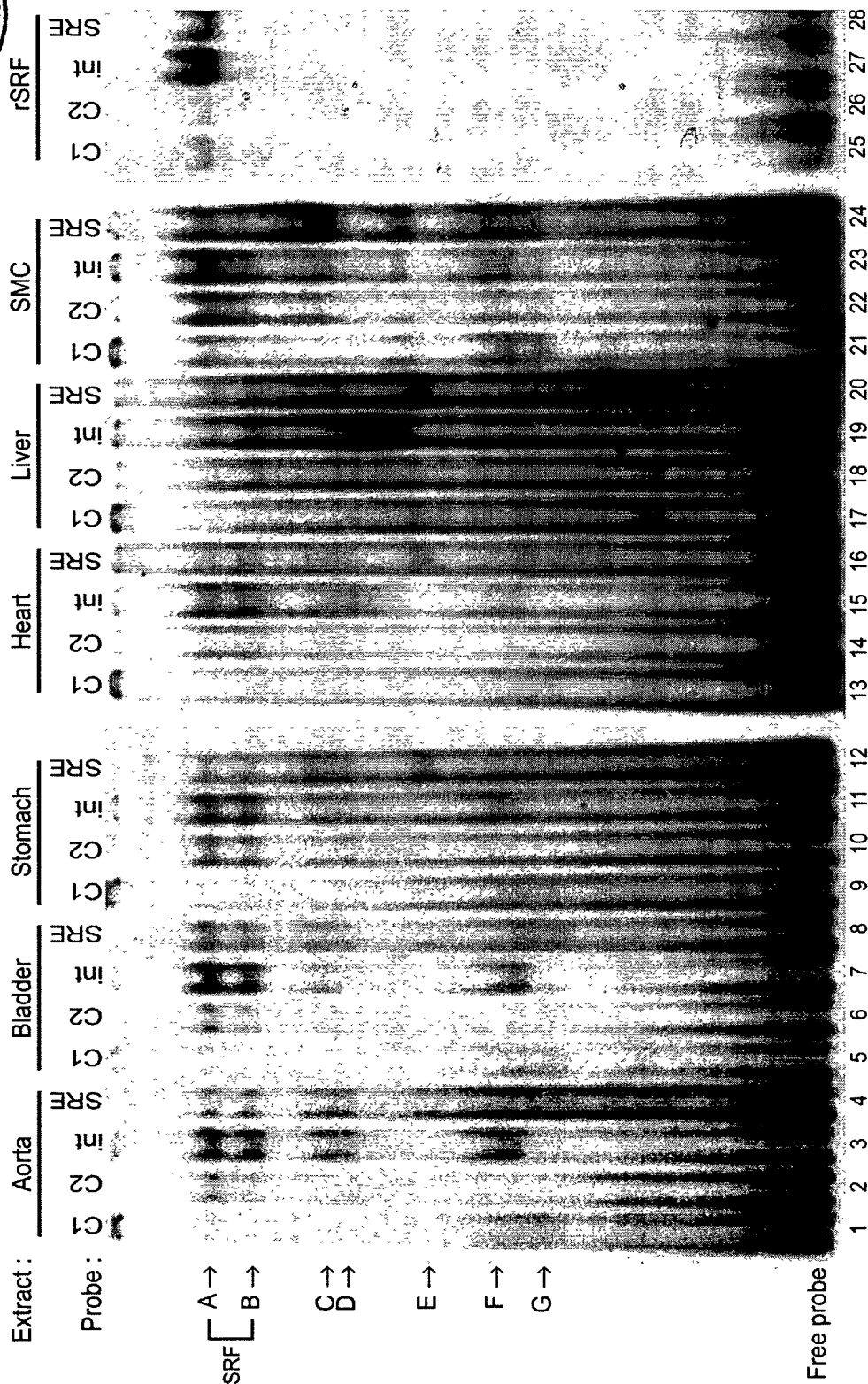


FIG. 19

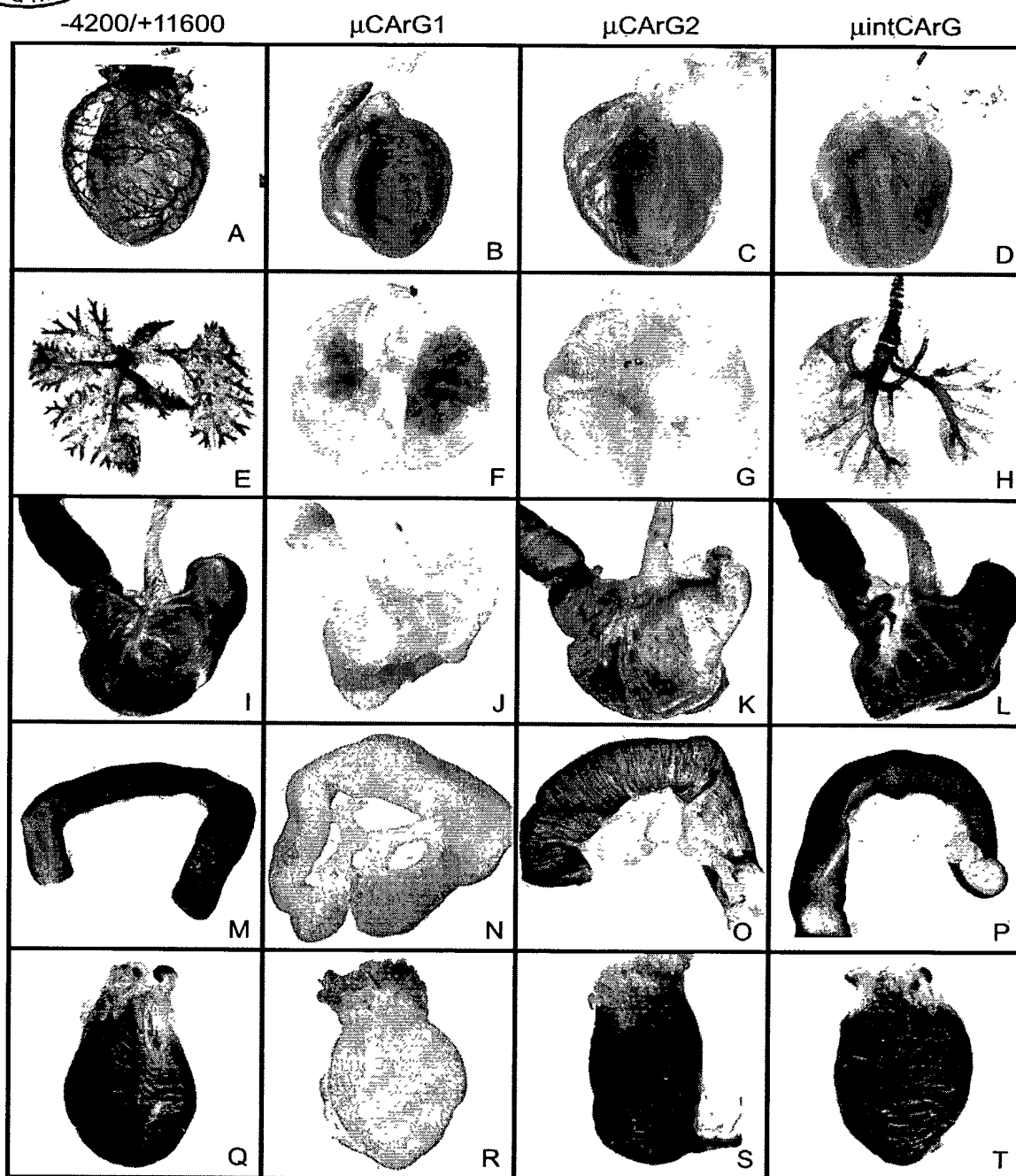


FIG. 20

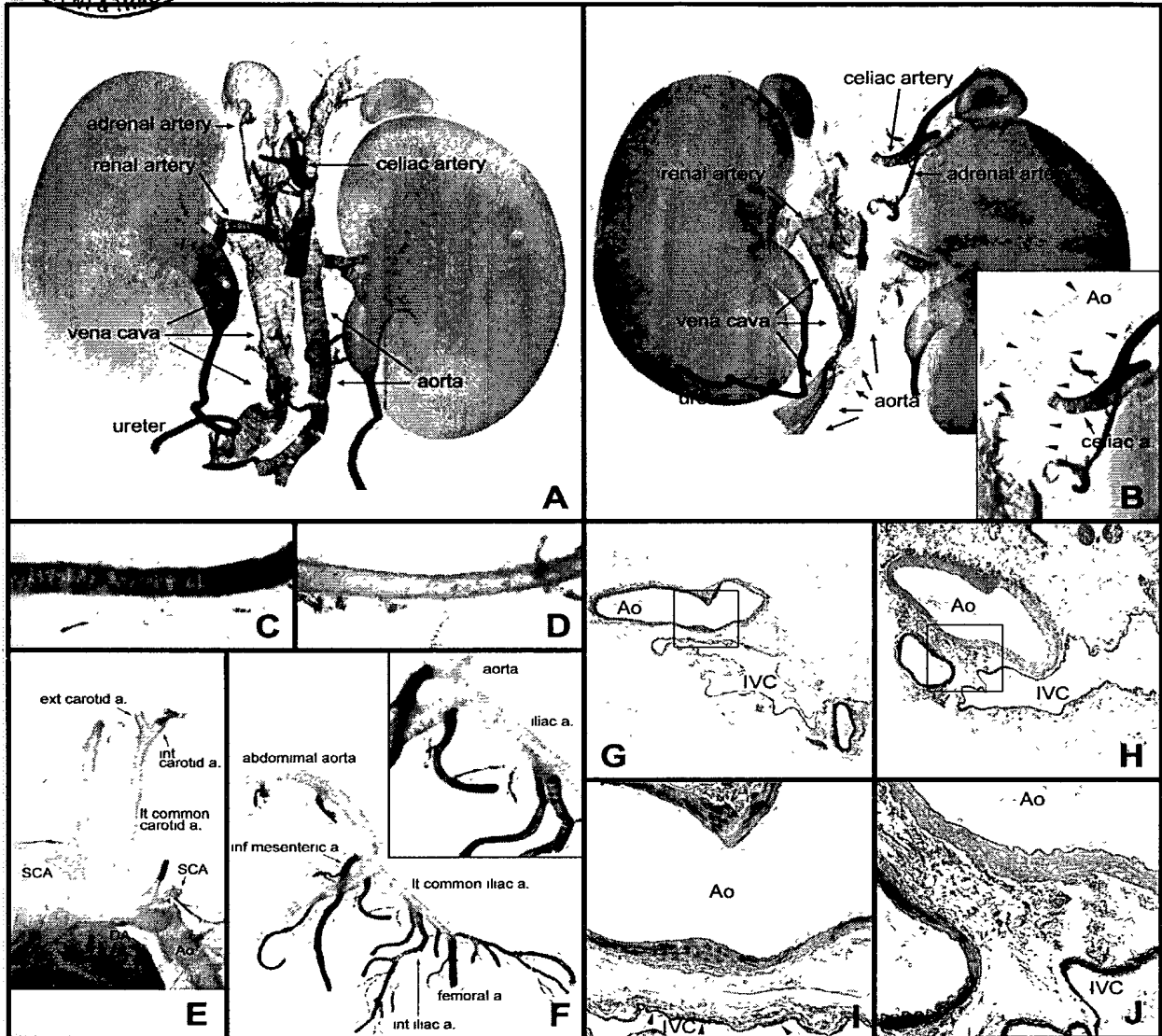


FIG. 21



int CARG mutant

CARG2 mutant

CARG1 mutant

-4200/+11600 LacZ

negative

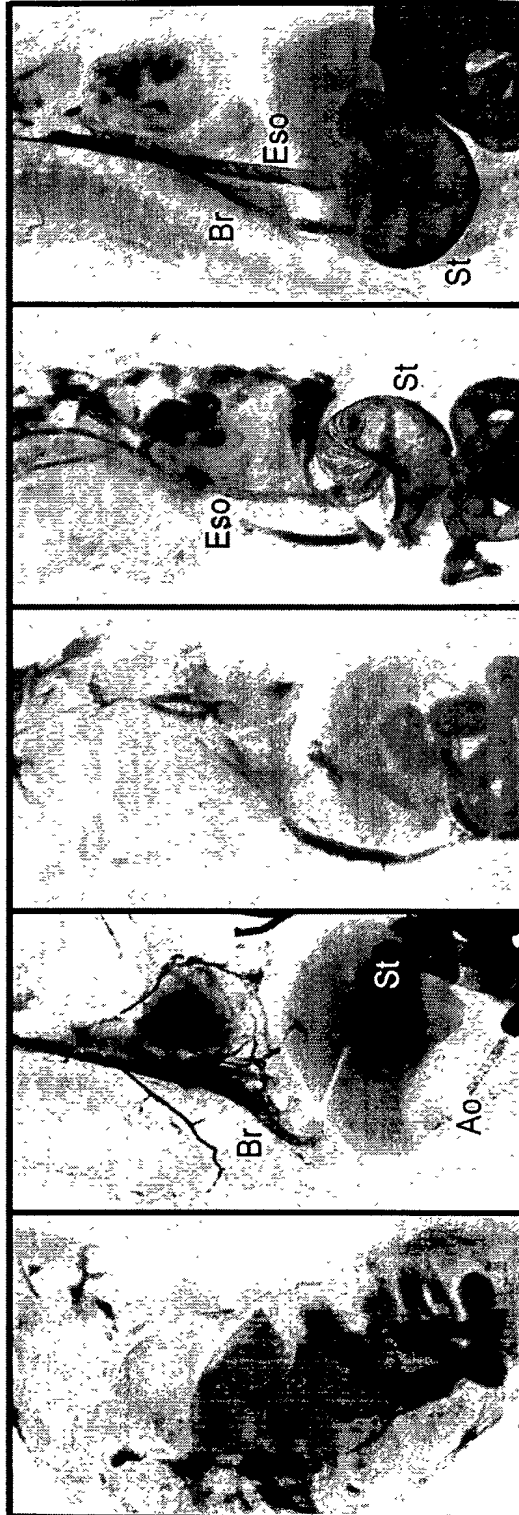


FIG. 22

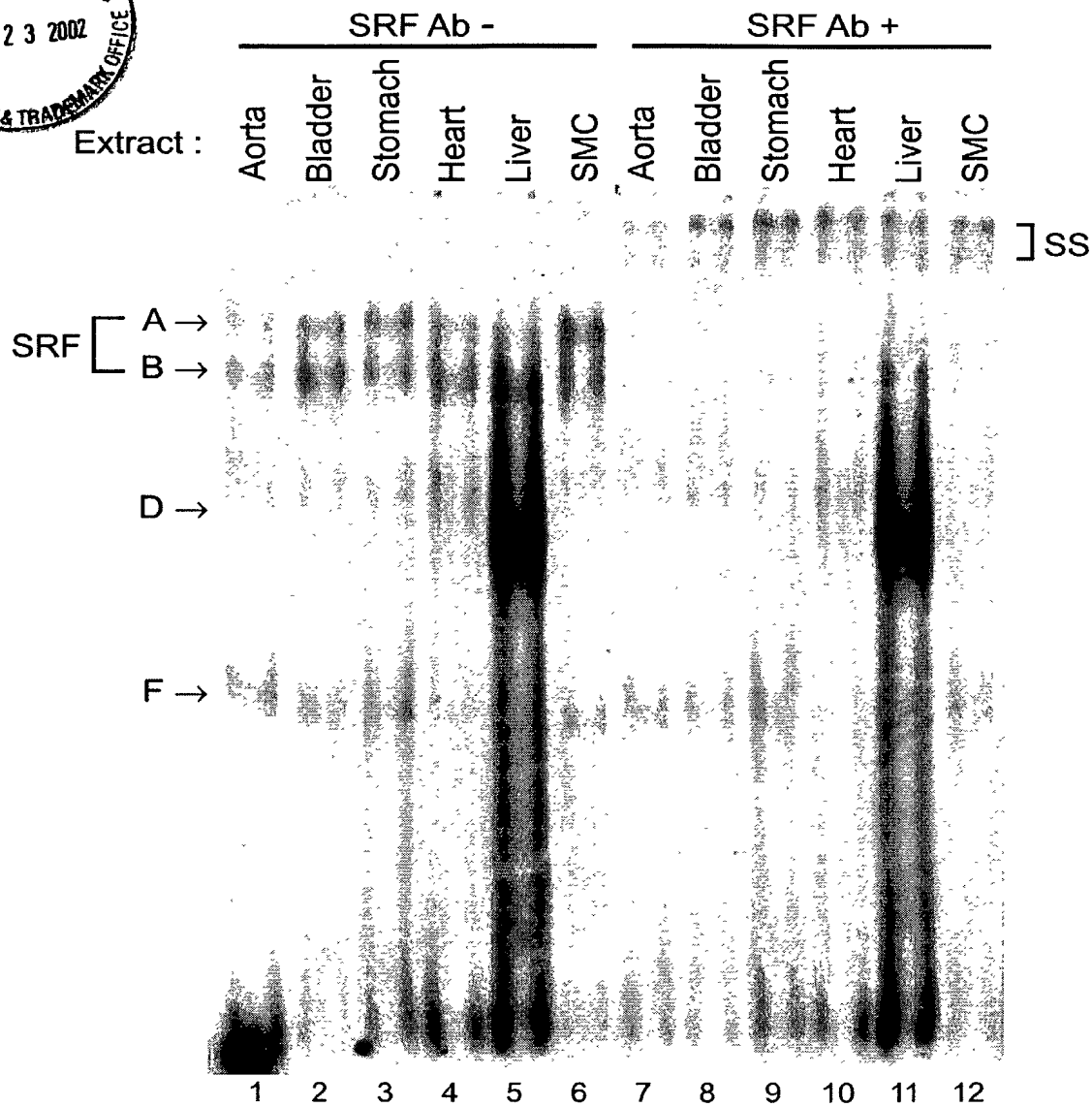


FIG. 23

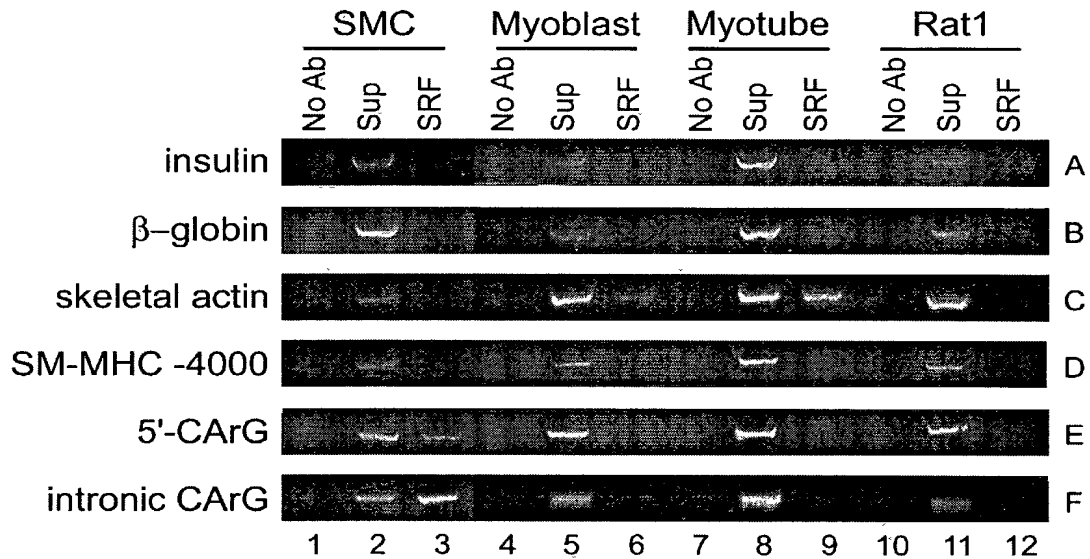


FIG. 24

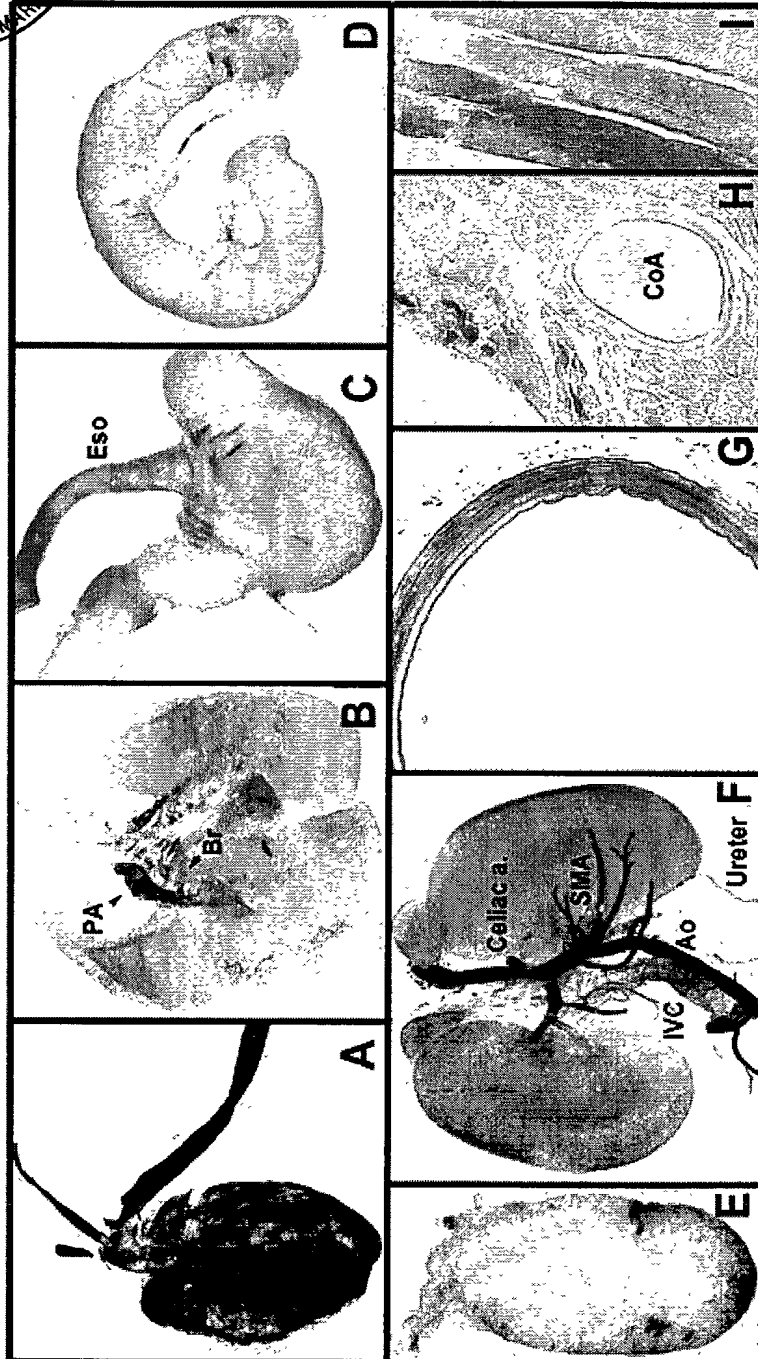


FIG. 25